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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,308	03/25/2004	Takanori Matsunaga	Q80421	5486
23373	7590 07/05/2006	EXAMINER		
	MION, PLLC		ARTHUR JEANGL	AUD, GERTRUDE
SUITE 800	YLVANIA AVENUE, N.W.		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037		3661		

DATE MAILED: 07/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/808,308 MATSUNAGA ET AL.				
		Examiner	Art Unit			
		Gertrude Arthur-Jeanglaude	3661			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHOWHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a sions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication.			
Status						
2a)⊠	Responsive to communication(s) filed on <u>25 Ap</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Dispositi	on of Claims					
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-16</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) <u>1,4-9 and 12-16</u> is/are rejected. Claim(s) <u>2,3,10 and 11</u> is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers					
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>25 March 2004</u> is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	a) \boxtimes accepted or b) \square objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
	e of References Cited (PTO-892)	4) Interview Summary				
3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate atent Application (PTO-152)			

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DETAILED ACTION

Response to Amendment

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4-9, 12-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Hac et al. (U.S 6,549,842).

Hac et al. discloses a vehicle dynamics behavior reproduction system method and apparatus for determining an individual wheel surface coefficient of adhesion for adapting cornering stiffness to driving situation of a motor vehicle in order to describe accurately behavior of the motor vehicle on the basis of various information derived from outputs of on-vehicle sensors without being influenced by the driving situation of the motor vehicle (abstract, column 1). According to Hac, there is provided arithmetically determining a load applied to each of the wheels of the motor vehicle as a vertical wheel force and arithmetically determining a lateral wheel force acting on each of the wheels (abstract, columns 13-14). It is also provided effectuating adaptation of the cornering stiffness at each of the wheels to the driving situation and determining, using a state model/observer unit, solutions of simultaneous differential equations relating to a

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dynamics theory of the motor vehicle for calculating variables involved in the dynamics theory (abstract, columns 2, 13-14). Hac also discloses arithmetically determining a tire side slip angle at each of the wheels in view of the driving situation, wherein the state space model/observer unit includes a state space observer designed for determining variables which can not straightforwardly be measured (column 2, 6, 13-14). As described in column 17, in particular, hac discloses delaying the specific signal on a predetermined unitary time basis and selecting a specific signal as required from signals representing the solutions generated by the state space model/observer unit. See also column 18.

Allowable Subject Matter

Claims 2-3, 10-11 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art does not particularly teach the equations for the lateral force and the cornering stiffness in the manner recited in the claims.

Response to Arguments

Applicant's arguments filed 4/25/06 have been fully considered but they are not persuasive.

REMARKS

Applicant's representative argues that the examiner alleges that Hac discloses all of the features of independent claim 1. Applicant's respectfully disagree, and submit that Hac fails to teach or suggest, inter alia, the recited "delay means for delaying said

specific signal on a predetermined unitary time basis. And also argues that the examiner alleges that column 17 of Hac discloses such a feature, Applicants disagree. Rather the only "delay" discloses in column 17 of Hac is that between the yaw rate and steering angle, which is an effect of the normal delay between directing a vehicle to turn by the steering wheel, and the car actually turning. This "delay" is not specifically provided by a "delay means" similar to the invention, but is only a normal effect of Hac's system. Examiner respectfully disagrees because Hac disclose at column a delay means for delaying the specific signal on a predetermined unitary time basis (See col. 20, lines 15-44).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gertrude Arthur-Jeanglaude whose telephone number is

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(571) 272-6954. The examiner can normally be reached on Monday-Friday from 8:30

a.m. to 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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June 26, 2006

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